

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	OCT 02	CA/CAPLUS enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS	3	OCT 19	BEILSTEIN updated with new compounds
NEWS	4	NOV 15	Derwent Indian patent publication number format enhanced
NEWS	5	NOV 19	WPIX enhanced with XML display format
NEWS	6	NOV 30	ICSD reloaded with enhancements
NEWS	7	DEC 04	LINPADOCDB now available on STN
NEWS	8	DEC 14	BEILSTEIN pricing structure to change
NEWS	9	DEC 17	USPATOLD added to additional database clusters
NEWS	10	DEC 17	IMSDRUGCONF removed from database clusters and STN
NEWS	11	DEC 17	DGENE now includes more than 10 million sequences
NEWS	12	DEC 17	TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment
NEWS	13	DEC 17	MEDLINE and LMEMLINE updated with 2008 MeSH vocabulary
NEWS	14	DEC 17	CA/CAPLUS enhanced with new custom IPC display formats
NEWS	15	DEC 17	STN Viewer enhanced with full-text patent content from USPATOLD
NEWS	16	JAN 02	STN pricing information for 2008 now available
NEWS	17	JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances
NEWS	18	JAN 28	USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS	19	JAN 28	MARPAT searching enhanced
NEWS	20	JAN 28	USGENE now provides USPTO sequence data within 3 days of publication
NEWS	21	JAN 28	TOXCENTER enhanced with reloaded MEDLINE segment
NEWS	22	JAN 28	MEDLINE and LMEMLINE reloaded with enhancements
NEWS	23	FEB 08	STN Express, Version 8.3, now available
NEWS	24	FEB 20	PCI now available as a replacement to DPCI
NEWS	25	FEB 25	IFIREF reloaded with enhancements
NEWS	26	FEB 25	IMSPRODUCT reloaded with enhancements
NEWS	27	FEB 29	WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification

NEWS EXPRESS FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 07:55:30 ON 12 MAR 2008

=> e Octanoic acid, 7-hydroxy-2-propyl-, (2R,7S)-/cn
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
The EXPAND command is used to look at the index in a file which has an index. This file does not have an index.

=> file reg	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 07:55:51 ON 12 MAR 2008
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STRUCTURE FILE UPDATES: 11 MAR 2008 HIGHEST RN 1007457-12-6
DICTIONARY FILE UPDATES: 11 MAR 2008 HIGHEST RN 1007457-12-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

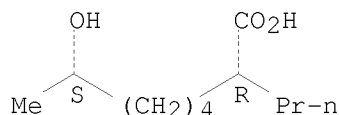
=> e Octanoic acid, 7-hydroxy-2-propyl-, (2R,7S)-/cn
E1 1 OCTANOIC ACID, 7-HYDROXY-2,2-DIMETHYL-/CN
E2 1 OCTANOIC ACID, 7-HYDROXY-2-PROPYL-, (2R,7R)-/CN
E3 1 --> OCTANOIC ACID, 7-HYDROXY-2-PROPYL-, (2R,7S)-/CN
E4 1 OCTANOIC ACID, 7-HYDROXY-3,5,7-TRIMETHYL-/CN
E5 1 OCTANOIC ACID, 7-HYDROXY-3,5,7-TRIMETHYL-, ACETATE/CN
E6 1 OCTANOIC ACID, 7-HYDROXY-3,5,7-TRIMETHYL-, ERYTHRO-/CN
E7 1 OCTANOIC ACID, 7-HYDROXY-3,5,7-TRIMETHYL-, METHYL ESTER/CN
E8 1 OCTANOIC ACID, 7-HYDROXY-3,5,7-TRIMETHYL-, METHYL ESTER OF 3
D,5D-/CN
E9 1 OCTANOIC ACID, 7-HYDROXY-3,5,7-TRIMETHYL-, METHYL ESTER, ACE
TATE/CN
E10 1 OCTANOIC ACID, 7-HYDROXY-3,6-DIMETHYL-/CN
E11 1 OCTANOIC ACID, 7-HYDROXY-3,7-DIMETHYL-/CN
E12 1 OCTANOIC ACID, 7-HYDROXY-3,7-DIMETHYL-, 7-OCTENYL ESTER/CN

=> e3
L1 1 "OCTANOIC ACID, 7-HYDROXY-2-PROPYL-, (2R,7S)-"/CN

=> d 11

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2008 ACS on STN
RN 824961-09-3 REGISTRY
ED Entered STN: 03 Feb 2005
CN Octanoic acid, 7-hydroxy-2-propyl-, (2R,7S)- (CA INDEX NAME)
OTHER NAMES:
CN (2R,7S)-7-Hydroxy-2-propyloctanoic acid
FS STEREOSEARCH
MF C11 H22 O3
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
7.61	7.82

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 07:56:35 ON 12 MAR 2008
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FILE COVERS 1907 - 12 Mar 2008 VOL 148 ISS 11
FILE LAST UPDATED: 11 Mar 2008 (20080311/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> 11

L2 2 L1

=> d 12 1-2 ti fbib abs

L2 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN
TI Nerve regeneration promoters containing fatty acid compounds
AN 2005:316345 CAPLUS <<LOGINID::20080312>>
DN 142:379379
TI Nerve regeneration promoters containing fatty acid compounds
IN Tateishi, Narito; Yamamoto, Junki; Kawaharada, Soichi; Akiyama, Tsutomu;
Hoshikawa, Masamitsu
PA Ono Pharmaceutical Co., Ltd., Japan
SO PCT Int. Appl., 61 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 2005032535	A1	20050414	WO 2004-JP14879	20041001
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
				JP 2003-345123	A 20031003
				JP 2004-162909	A 20040601
EP	1685832	A1	20060802	EP 2004-792173	20041001
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
				JP 2003-345123	A 20031003
				JP 2004-162909	A 20040601
				WO 2004-JP14879	W 20041001
US	2007043114	A1	20070222	US 2006-574479	20061005
				JP 2003-345123	A 20031003
				JP 2004-162909	A 20040601
				WO 2004-JP14879	W 20041001

OS MARPAT 142:379379

AB Disclosed are nerve regeneration promoters containing fatty acid compds. especially

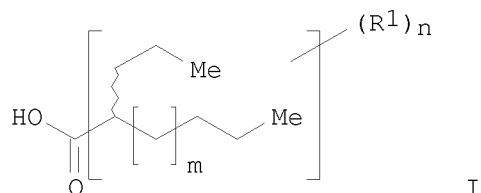
compds. R2C(R3)(R4)COR1 [R1 hydroxy; R2, R3 = H, C1, C3-10 alkyl, C3-10 alkenyl, etc.; R4 = (oxidized) C2-3 alkyl], salts thereof or prodrugs of the same. The compds. inhibit nerve cell death and promote the formation of new nerve cells and nerve cell regeneration and also promote the repair and regeneration of nerve tissues and functions through neurite extension, because of serving as a stem cell (nerve stem cell, embryonic stem cell, bone marrow cell, etc.) proliferation/differentiation promoter, a nerve cell precursor proliferation/differentiation promoter, a neurotrophic factor activity enhancer, a neurotrophic factor-like substance or a neurodegeneration inhibitor. Furthermore, these compds. are useful in preparing cells for transplantation (nerve stem cells, nerve cell precursors, nerve cells, etc.) from a brain tissue, bone marrow, embryonic stem cells, etc. At the same time, these compds. promote the take, proliferation, differentiation and function expression of transplanted cells, which makes them useful as preventives and/or remedies for neurodegenerative diseases. The effect of (2R)-2-propyloctanoic acid on nerve stem cell

differentiation in rats was examined

RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN
TI Preparation of branched carboxylic acid compound and use thereof
AN 2005:55187 CAPLUS <<LOGINID::20080312>>
DN 142:134202
TI Preparation of branched carboxylic acid compound and use thereof
IN Imawaka, Haruo; Hasegawa, Tomoyuki; Sakuyama, Shigeru; Kawanaka, Yasufumi;
Akiyama, Tsutomu; Hoshikawa, Masamitsu; Matsuda, Saiko
PA Ono Pharmaceutical Co., Ltd., Japan
SO PCT Int. Appl., 75 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 2005005366	A1	20050120	WO 2004-JP10366	20040714
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	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
				JP 2003-274988	A 20030715
	EP 1650182	A1	20060426	EP 2004-747782	20040714
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
				JP 2003-274988	A 20030715
				WO 2004-JP10366	W 20040714
	US 2007167522	A1	20070719	US 2006-564720	20060117
				JP 2003-274988	A 20030715
				WO 2004-JP10366	W 20040714
OS	MARPAT 142:134202				
GI					



AB A branched alkanolic acid represented by the general formula (I) (wherein R1 = optionally protected hydroxy or oxo; a wavy line indicates α configuration, β configuration, or a mixture of these in an arbitrary proportion; n = an integer of 1 to 3; m = an integer of 0 to 10, provided that two or more R1's are not bonded to the same carbon atom other than the terminal carbon atoms), a salt of the compound, or a prodrug of either

is prepared The compound I is effective in, e.g., improving the function of astrocytes. It is useful as a preventive and/or therapeutic agent for brain infarction or nerve function disorders after brain infarction and for neurodegenerative diseases such as Parkinson's disease, Parkinson's syndrome, amyotrophic lateral sclerosis, and Alzheimer's disease. Thus, a solution of 31 g (4S)-N-[(2R)-7-oxo-2-propyloctanoyl]-4-isopropylloxazolidin-2-one in 310 mL THF and 31 mL H₂O was treated with 45.3 mL 30 weight% H₂O₂ at 6° and then dropwise with 100 mL 2 M aqueous LiOH at 5°, stirred at 24° for 3 h, treated dropwise with 300 mL 2 M NaNO₂, stirred at 26° for 1 h to give, after workup and silica gel chromatog., (2R)-7-oxo-2-propyloctanoic acid (II). II at 30 µmol/L in vitro significantly reduced cellular S100β protein in astrocytes from 2,177.0±147.74 to 1,489.0±37.84 (ng/mg). Pharmaceutical formulations, e.g. tablet containing II, were prepared

RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	8.70	16.52
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-1.60	-1.60

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 08:00:02 ON 12 MAR 2008

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 08:34:57 ON 12 MAR 2008
FILE 'CAPLUS' ENTERED AT 08:34:57 ON 12 MAR 2008
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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	8.70	16.52
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-1.60	-1.60

=> file reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	8.70	16.52
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-1.60	-1.60

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STRUCTURE FILE UPDATES: 11 MAR 2008 HIGHEST RN 1007457-12-6
DICTIONARY FILE UPDATES: 11 MAR 2008 HIGHEST RN 1007457-12-6

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REGISTRY includes numerically searchable data for experimental and
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<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

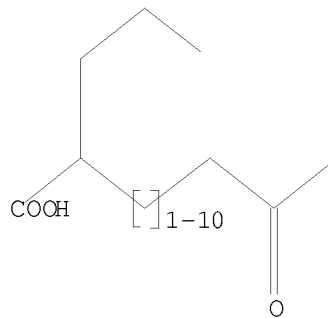
Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary
files\10564720\10564720 amended try 1.str

L3 STRUCTURE UPLOADED

=> d 13

L3 HAS NO ANSWERS

L3 STR



Structure attributes must be viewed using STN Express query preparation.

=> search 13 sss sam

SAMPLE SEARCH INITIATED 08:35:38 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 24300 TO ITERATE

8.2% PROCESSED 2000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 476671 TO 495329
PROJECTED ANSWERS: 0 TO 0

L4 0 SEA SSS SAM L3

=> search l3 sss full
FULL SEARCH INITIATED 08:35:46 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 482924 TO ITERATE

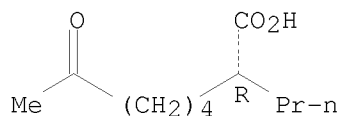
100.0% PROCESSED 482924 ITERATIONS 4 ANSWERS
SEARCH TIME: 00.00.05

L5 4 SEA SSS FUL L3

=> d scan

L5 4 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Octanoic acid, 7-oxo-2-propyl-, (2R)-
MF C11 H20 O3
CI COM

Absolute stereochemistry.

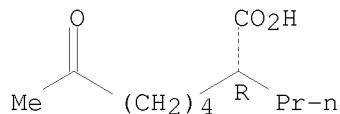


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):4

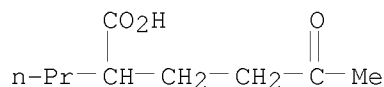
L5 4 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Octanoic acid, 7-oxo-2-propyl-, sodium salt, (2R)- (9CI)
MF C11 H20 O3 . Na

Absolute stereochemistry.



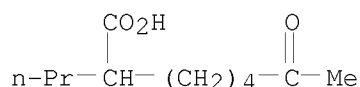
● Na

L5 4 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Hexanoic acid, 5-oxo-2-propyl-
MF C9 H16 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 4 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN Octanoic acid, 7-oxo-2-propyl-
 MF C11 H20 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> file caplus
 COST IN U.S. DOLLARS
 FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
178.82	195.34

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)
 CA SUBSCRIBER PRICE

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-1.60

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FILE COVERS 1907 - 12 Mar 2008 VOL 148 ISS 11
 FILE LAST UPDATED: 11 Mar 2008 (20080311/ED)

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=> 15

L6 6 L5

=> d 16 1-6 ti fbib abs

L6 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
TI Nerve regeneration promoters containing fatty acid compounds
AN 2005:316345 CAPLUS <<LOGINID::20080312>>
DN 142:379379
TI Nerve regeneration promoters containing fatty acid compounds
IN Tateishi, Narito; Yamamoto, Junki; Kawaharada, Soichi; Akiyama, Tsutomu;
Hoshikawa, Masamitsu
PA Ono Pharmaceutical Co., Ltd., Japan
SO PCT Int. Appl., 61 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 2005032535	A1	20050414	WO 2004-JP14879	20041001
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	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, CY, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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				JP 2004-162909	A 20040601
EP	1685832	A1	20060802	EP 2004-792173	20041001
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				JP 2003-345123	A 20031003
				JP 2004-162909	A 20040601
				WO 2004-JP14879	W 20041001
US	2007043114	A1	20070222	US 2006-574479	20061005
				JP 2003-345123	A 20031003
				JP 2004-162909	A 20040601
				WO 2004-JP14879	W 20041001

OS MARPAT 142:379379

AB Disclosed are nerve regeneration promoters containing fatty acid compds. especially

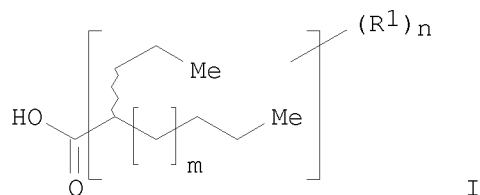
compds. R2C(R3)(R4)COR1 [R1 hydroxy; R2, R3 = H, Cl, C3-10 alkyl, C3-10 alkenyl, etc.; R4 = (oxidized) C2-3 alkyl], salts thereof or prodrugs of the same. The compds. inhibit nerve cell death and promote the formation of new nerve cells and nerve cell regeneration and also promote the repair and regeneration of nerve tissues and functions through neurite extension, because of serving as a stem cell (nerve stem cell, embryonic stem cell, bone marrow cell, etc.) proliferation/differentiation promoter, a nerve cell precursor proliferation/differentiation promoter, a neurotrophic factor activity enhancer, a neurotrophic factor-like substance or a neurodegeneration inhibitor. Furthermore, these compds. are useful in preparing cells for transplantation (nerve stem cells, nerve cell precursors, nerve cells, etc.) from a brain tissue, bone marrow, embryonic stem cells, etc. At the same time, these compds. promote the take, proliferation, differentiation and function expression of transplanted cells, which makes

them useful as preventives and/or remedies for neurodegenerative diseases.
The effect of (2R)-2-propyloctanoic acid on nerve stem cell
differentiation in rats was examined

RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
TI Preparation of branched carboxylic acid compound and use thereof
AN 2005:55187 CAPLUS <<LOGINID::20080312>>
DN 142:134202
TI Preparation of branched carboxylic acid compound and use thereof
IN Imawaka, Haruo; Hasegawa, Tomoyuki; Sakuyama, Shigeru; Kawanaka, Yasufumi;
Akiyama, Tsutomu; Hoshikawa, Masamitsu; Matsuda, Saiko
PA Ono Pharmaceutical Co., Ltd., Japan
SO PCT Int. Appl., 75 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005005366	A1	20050120	WO 2004-JP10366	20040714
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
				JP 2003-274988	A 20030715
	EP 1650182	A1	20060426	EP 2004-747782	20040714
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
				JP 2003-274988	A 20030715
				WO 2004-JP10366	W 20040714
	US 2007167522	A1	20070719	US 2006-564720	20060117
				JP 2003-274988	A 20030715
				WO 2004-JP10366	W 20040714
OS	MARPAT 142:134202				
GI					



AB A branched alkananoic acid represented by the general formula (I) (wherein
R1 = optionally protected hydroxy or oxo; a wavy line indicates α
configuration, β configuration, or a mixture of these in an arbitrary
proportion; n = an integer of 1 to 3; m = an integer of 0 to 10, provided

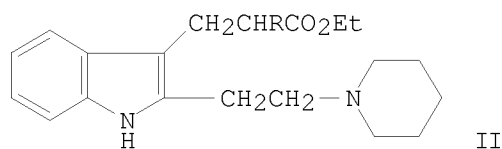
that two or more R1's are not bonded to the same carbon atom other than the terminal carbon atoms), a salt of the compound, or a prodrug of either is prepared. The compound I is effective in, e.g., improving the function of astrocytes. It is useful as a preventive and/or therapeutic agent for brain infarction or nerve function disorders after brain infarction and for neurodegenerative diseases such as Parkinson's disease, Parkinson's syndrome, amyotrophic lateral sclerosis, and Alzheimer's disease. Thus, a solution of 31 g (4S)-N-[(2R)-7-oxo-2-propyloctanoyl]-4-isopropylloxazolidin-2-one in 310 mL THF and 31 mL H₂O was treated with 45.3 mL 30 weight% H₂O₂ at 6° and then dropwise with 100 mL 2 M aqueous LiOH at 5°, stirred at 24° for 3 h, treated dropwise with 300 mL 2 M NaNO₂, stirred at 26° for 1 h to give, after workup and silica gel chromatog., (2R)-7-oxo-2-propyloctanoic acid (II). II at 30 µmol/L in vitro significantly reduced cellular S100β protein in astrocytes from 2,177.0±147.74 to 1,489.0±37.84 (ng/mg). Pharmaceutical formulations, e.g. tablet containing II, were prepared.

RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L6 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
 TI Reaction of carbocations derived from alkane and alkyl methyl ketones with carbon monoxide in superacid
 AN 1984:406579 CAPLUS <<LOGINID::20080312>>
 DN 101:6579
 OREF 101:1119a,1122a
 TI Reaction of carbocations derived from alkane and alkyl methyl ketones with carbon monoxide in superacid
 AU Yoneda, Norihiko; Sato, Haruhiko; Fukuhara, Tsuyoski; Suzuki, Akira; Takahashi, Yukio
 CS Dep. Appl. Chem., Hokkaido Univ., Sapporo, 060, Japan
 SO Preprints - American Chemical Society, Division of Petroleum Chemistry (1983), 28(2), 397-404
 CODEN: ACPCAT; ISSN: 0569-3799
 DT Journal
 LA English
 AB Fifteen C₅-C₉ alkanes, e.g. pentane, Me₂CHEt, hexane, Et₂CH Me, heptane, Me₂CHCH₂CHMe₂, octane, and nonane, were ionized with HF-SbF₅ to give alkyl cations which were trapped with CO to give carboxylic acids, e.g. EtCO₂H, Me₂CHCO₂H, Me₃CCO₂H, EtCHMeCO₂H, Me₂CHCHMeCO₂H, PrCHMeCO₂H, PrMe₂CO₂H, Me₂CHCH₂CHMeCO₂H, BuCHMeCO₂H. The carboxylation of Me ketones MeCO(CH₂)_nCHMe₂ (n = 2-6), 2-heptanone, and 2-nonanone in a similar manner to give carboxylic acids, e.g. MeCO(CH₂)_nCHMeCO₂H (n = 2-6) and MeCO(CH₂)_nCMe₂CO₂H (n = 4-6), was also investigated. A mechanism was discussed.
- L6 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
 TI Reaction behavior of carbon-carbon and carbon-hydrogen bonds in super acids. Carboxylation of alkyl methyl ketones with carbon monoxide and water
 AN 1983:125372 CAPLUS <<LOGINID::20080312>>
 DN 98:125372
 OREF 98:19087a,19090a
 TI Reaction behavior of carbon-carbon and carbon-hydrogen bonds in super acids. Carboxylation of alkyl methyl ketones with carbon monoxide and water
 AU Yoneda, Norihiko; Sato, Haruhiko; Fukuhara, Tsuyoshi; Takahashi, Yukio; Suzuki, Akira
 CS Fac. Eng., Hokkaido Univ., Sapporo, 060, Japan
 SO Chemistry Letters (1983), (1), 19-20
 CODEN: CMLTAG; ISSN: 0366-7022
 DT Journal

LA English
 AB In a HF-SbF₅ solution at -20 to +30° under atmospheric pressure, ketones having alkyl groups with ≥5 C atoms underwent carboxylation to give the corresponding oxocarboxylic acids without any β-scission processes which occur readily in alkyl cations derived by protolysis of alkanes with ≥7 C atoms. Tertiary C-H bond located at δ or further away from the oxo group in the substrates could react exclusively to give (ω-1)-oxo-2,2-dimethylcarboxylic acids at -20°.

L6 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
 TI Amino ketone derivatives. 2-Substituted 5-oxo-7-aminoenanthic acids and some indole derivatives obtained from them
 AN 1977:422946 CAPLUS <<LOGINID::20080312>>
 DN 87:22946
 OREF 87:3621a,3624a
 TI Amino ketone derivatives. 2-Substituted 5-oxo-7-aminoenanthic acids and some indole derivatives obtained from them
 AU Akopyan, Zh. G.; Tatevosyan, G. T.
 CS Inst. Tonkoi Org. Khim. im. Mndzhoyana, Yerevan, USSR
 SO Armyanskii Khimicheskii Zhurnal (1976), 29(12), 1039-42
 CODEN: AYKZAN; ISSN: 0515-9628
 DT Journal
 LA Russian
 OS CASREACT 87:22946
 GI



AB Treatment of HO₂CCHRCH₂CH₂COMe (R = H, Me, Et, Pr) with R₂1NH.HCl [R₂1 = Me₂, Et₂, (CH₂)₅] and CH₂O gave 36-56.7% HO₂CCHRCH₂CH₂COCH₂CH₂NR₂,1.HCl (I). I (R = H, Me; NR₂1 = piperidino) phenylhydrazones were cyclized by the Fischer reaction to give isotryptamine derivs. (II), which had weak sympatholytic and adrenolytic properties. I had no analgesic properties.

L6 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
 TI Synthesis of unsaturated δ-lactones. II. Synthesis and reactions of 3-alkyl(benzyl)-6-methyl-3,4-dihydro-α-pyrones
 AN 1966:429102 CAPLUS <<LOGINID::20080312>>
 DN 65:29102
 OREF 65:5359h,5360a-e
 TI Synthesis of unsaturated δ-lactones. II. Synthesis and reactions of 3-alkyl(benzyl)-6-methyl-3,4-dihydro-α-pyrones
 AU Zalianyan, M. G.; Arutyunyan, E. A.; Torchyan, R. O.; Sarkisyan, O. A.; Dangyan, M. T.
 CS State Univ., Erevan
 SO Izvestiya Akademii Nauk Armyanskoi SSR, Khimicheskii Nauki (1965), 18(6), 600-5
 CODEN: IARKAZ; ISSN: 0367-6846
 DT Journal
 LA Russian
 GI For diagram(s), see printed CA Issue.
 AB cf. CA 63, 6954b. To 0.14 mole MeCCl:CHCH₂CR(CO₂Et)₂, cooled (ice-NaCl), gradually with stirring was added 37.4 ml. H₂SO₄. After evolution of HCl

ceased 120 ml. H₂O was added with cooling and the oily layer separated to give Ac(CH₂)₂CR(CO₂Et)₂ (I) the following I were prepared (R, % yield, b.p./mm., n₂₀D, d₂₀ and MR₂₀D given): Me, 62, 126-30.5°/3, 1.4400, 1.065, 60.40°; Et, 75.2, 149-52.7°/7, 1.4428, 1.0431, 65.54°; Pr, 77, 151-5°/7, 1.4422, 1.0304, 69.75°; iso-Am, 49.1, 165-8°/10, 1.4438, 1.0058, 79.10°. I (1 mole) and 4 moles NaOH in 160 ml. H₂O was refluxed on a water bath 3-6 hrs. The solid formed was dissolved in 200 ml. H₂O, the water layer extracted with Et₂O, acidified with HCl, and the oily layer which separated subjected to decarboxylation by heating to yield Ac(CH₂)₂CHRCO₂H (II). The following II were prepared (same data given): Et, 52, 146-8°/7, 1.4465, -, -; Pr, 49, 151-4°/6, 1.4525, 1.0206, 45.36°; iso-Bu, 57.2, 145-52°/5-5.5, 1.4539, 1.0220, 50.35°; iso-C₅H₁₁, 63.3, 162-6°/6-7, -, (n₁₇D 1.4520), -, -. II (1 mole) and 5-6 moles Ac₂O was boiled 3-7 hrs., the Ac₂O and AcOH stripped, and the residue cooled to give III. The following III were prepared (same data given): Et, 59, 83-4°/7, 1.4595, 1.020, 38.24°; Pr, 46, 96-9°/6, 1.4608, 0.992, 42.41°; iso-Bu (IIIa), 74.2, 92-6°/4, 1.4580, 0.9745, 47.03°; iso-Am, 62, 116-20°/7.5, 1.4533, 0.9645, 51.30°; PhCH₂ (IIIb), 68.2, 175-8°/10, 1.5329, 1.0870, 57.66°. Dry HCl was passed through a solution of 0.05 mole III in 20 ml. absolute EtOH with cooling to complete saturation and 50 ml. H₂O added.

The

oily layer formed was separated to give Ac(CH₂)₂CHRCO₂Et (IV). The following IV were prepared (same data given): Et, 64.1, 97-100°/7, 1.4288, 0.9549, 50.12°; Pr, 50.5, 110-12°/6, 1.4284, 0.9497, 54.26°; iso-Bu, 57.9, 100-3°/5, 1.4340, 0.9316, 59.63°; iso-Am, 53.6, 119-22°/5, 1.4433, 0.9440, 64.04°. A mixture of 1 g. III and 5-6 ml. concentrated aqueous NH₃ was shaken, forming crystals of Ac(CH₂)₂CHRCO₂NH₂ (V). The following V were prepared (R, % yield, and m.p. given): Et, 53.2, 91° (petr. ether); Pr, 58, 122-3° (H₂O); iso-Bu, 72.7, 108 (petr. ether); PhCH₂, 74, 146° (H₂O). To a solution of 0.05 mole IIIa in Et₂O was added with cooling 2.9 g. Br in Et₂O to give 2.7 g. VI (R = iso-Bu) (VIa), b₅ 114-20°, n₂₀D 1.4970. VIa was treated with H₂O at room temperature, and heated on a water bath with AcONa to give VII (R = iso-Bu), b₉₋₁₀ 135-8°, n₂₀D 1.4603. Similarly from 4 g. IIIb in 5 ml. Et₂O and 3.2 g. Br there was obtained 3.2 g. VI (R = PhCH₂), b₃ 149-56, n₂₀D 1.5605. The product was heated on a water bath with AcONa to give VII (R = PhCH₂), b₈ 200-3° n₂₀D 1.5308.

=>

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

30.90

226.24

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-4.80

-6.40

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DICTIONARY FILE UPDATES: 11 MAR 2008 HIGHEST RN 1007457-12-6

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<http://www.cas.org/support/stngen/stndoc/properties.html>

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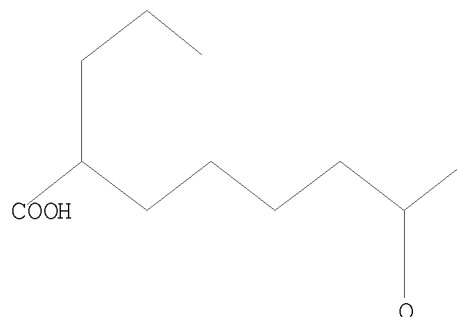
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L7 STRUCTURE UPLOADED

=> d 17

L7 HAS NO ANSWERS

L7 STR



Structure attributes must be viewed using STN Express query preparation.

=> search 17 sss sam

SAMPLE SEARCH INITIATED 08:54:03 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 24579 TO ITERATE

8.1% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 482198 TO 500962
PROJECTED ANSWERS: 0 TO 0

L8 0 SEA SSS SAM L7

=> search 17 sss full

FULL SEARCH INITIATED 08:54:12 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 488660 TO ITERATE

100.0% PROCESSED 488660 ITERATIONS
SEARCH TIME: 00.00.04

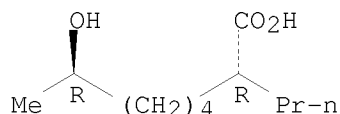
2 ANSWERS

L9 2 SEA SSS FUL L7

=> d scan

L9 2 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Octanoic acid, 7-hydroxy-2-propyl-, (2R,7R)-
MF C11 H22 O3

Absolute stereochemistry.

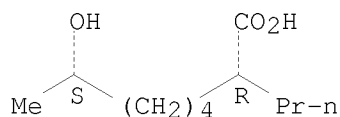


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

L9 2 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Octanoic acid, 7-hydroxy-2-propyl-, (2R,7S)-
MF C11 H22 O3

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

178.82

405.06

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

0.00

-6.40

FILE 'CAPLUS' ENTERED AT 08:54:33 ON 12 MAR 2008

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FILE LAST UPDATED: 11 Mar 2008 (20080311/ED)

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<http://www.cas.org/infopolicy.html>

=> 19

L10 2 L9

=> d 110 1-2 ti fbib abs

L10 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN
TI Nerve regeneration promoters containing fatty acid compounds
AN 2005:316345 CAPLUS <<LOGINID::20080312>>
DN 142:379379
TI Nerve regeneration promoters containing fatty acid compounds
IN Tateishi, Narito; Yamamoto, Junki; Kawaharada, Soichi; Akiyama, Tsutomu; Hoshikawa, Masamitsu
PA Ono Pharmaceutical Co., Ltd., Japan
SO PCT Int. Appl., 61 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2005032535	A1	20050414	WO 2004-JP14879	20041001
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
			JP 2003-345123	A 20031003
			JP 2004-162909	A 20040601
EP 1685832	A1	20060802	EP 2004-792173	20041001
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
			JP 2003-345123	A 20031003
			JP 2004-162909	A 20040601
			WO 2004-JP14879	W 20041001
US 2007043114	A1	20070222	US 2006-574479	20061005
			JP 2003-345123	A 20031003

JP 2004-162909 A 20040601
WO 2004-JP14879 W 20041001

OS MARPAT 142:379379

AB Disclosed are nerve regeneration promoters containing fatty acid compds.
especially

compds. R2C(R3)(R4)COR1 [R1 hydroxy; R2, R3 = H, C1, C3-10 alkyl, C3-10 alkenyl, etc.; R4 = (oxidized) C2-3 alkyl], salts thereof or prodrugs of the same. The compds. inhibit nerve cell death and promote the formation of new nerve cells and nerve cell regeneration and also promote the repair and regeneration of nerve tissues and functions through neurite extension, because of serving as a stem cell (nerve stem cell, embryonic stem cell, bone marrow cell, etc.) proliferation/differentiation promoter, a nerve cell precursor proliferation/differentiation promoter, a neurotrophic factor activity enhancer, a neurotrophic factor-like substance or a neurodegeneration inhibitor. Furthermore, these compds. are useful in preparing cells for transplantation (nerve stem cells, nerve cell precursors, nerve cells, etc.) from a brain tissue, bone marrow, embryonic stem cells, etc. At the same time, these compds. promote the take, proliferation, differentiation and function expression of transplanted cells, which makes them useful as preventives and/or remedies for neurodegenerative diseases. The effect of (2R)-2-propyloctanoic acid on nerve stem cell differentiation in rats was examined

RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN

TI Preparation of branched carboxylic acid compound and use thereof

AN 2005:55187 CAPLUS <<LOGINID::20080312>>

DN 142:134202

TI Preparation of branched carboxylic acid compound and use thereof

IN Imawaka, Haruo; Hasegawa, Tomoyuki; Sakuyama, Shigeru; Kawanaka, Yasufumi; Akiyama, Tsutomu; Hoshikawa, Masamitsu; Matsuda, Saiko

PA Ono Pharmaceutical Co., Ltd., Japan

SO PCT Int. Appl., 75 pp.

CODEN: PIXXD2

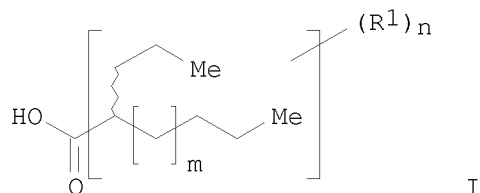
DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005005366	A1	20050120	WO 2004-JP10366	20040714
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
				JP 2003-274988	A 20030715
EP	1650182	A1	20060426	EP 2004-747782	20040714
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
				JP 2003-274988	A 20030715
				WO 2004-JP10366	W 20040714
US	2007167522	A1	20070719	US 2006-564720	20060117
				JP 2003-274988	A 20030715
				WO 2004-JP10366	W 20040714

OS MARPAT 142:134202
GI



AB A branched alkanolic acid represented by the general formula (I) (wherein R1 = optionally protected hydroxy or oxo; a wavy line indicates α configuration, β configuration, or a mixture of these in an arbitrary proportion; n = an integer of 1 to 3; m = an integer of 0 to 10, provided that two or more R1's are not bonded to the same carbon atom other than the terminal carbon atoms), a salt of the compound, or a prodrug of either is prepared. The compound I is effective in, e.g., improving the function of astrocytes. It is useful as a preventive and/or therapeutic agent for brain infarction or nerve function disorders after brain infarction and for neurodegenerative diseases such as Parkinson's disease, Parkinson's syndrome, amyotrophic lateral sclerosis, and Alzheimer's disease. Thus, a solution of 31 g (4S)-N-[(2R)-7-oxo-2-propyloctanoyl]-4-isopropylloxazolidin-2-one in 310 mL THF and 31 mL H₂O was treated with 45.3 mL 30 weight% H₂O₂ at 6° and then dropwise with 100 mL 2 M aqueous LiOH at 5°, stirred at 24° for 3 h, treated dropwise with 300 mL 2 M NaNO₂, stirred at 26° for 1 h to give, after workup and silica gel chromatog., (2R)-7-oxo-2-propyloctanoic acid (II). II at 30 μ mol/L in vitro significantly reduced cellular S100 β protein in astrocytes from 2,177.0 \pm 147.74 to 1,489.0 \pm 37.84 (ng/mg). Pharmaceutical formulations, e.g. tablet containing II, were prepared.

RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION

FULL ESTIMATED COST

8.22	413.28
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION

CA SUBSCRIBER PRICE

-1.60	-8.00
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PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 08:59:19 ON 12 MAR 2008
FILE 'CAPLUS' ENTERED AT 08:59:19 ON 12 MAR 2008
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	8.22	413.28
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.60	-8.00

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	8.70	413.76
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.60	-8.00

FILE 'REGISTRY' ENTERED AT 08:59:37 ON 12 MAR 2008
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 11 MAR 2008 HIGHEST RN 1007457-12-6
DICTIONARY FILE UPDATES: 11 MAR 2008 HIGHEST RN 1007457-12-6

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TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

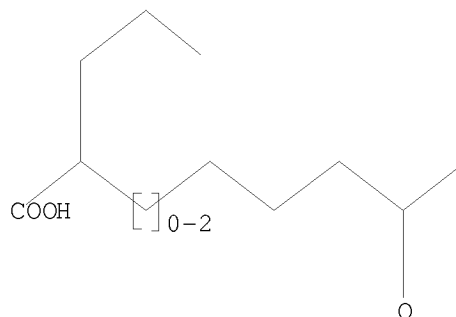
Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary
files\10564720\10564720 obvious clm 7.str

L11 STRUCTURE UPLOADED

=> d l11

L11 HAS NO ANSWERS

L11 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l11 sss sam

SAMPLE SEARCH INITIATED 09:00:08 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 23910 TO ITERATE

8.4% PROCESSED 2000 ITERATIONS 0 ANSWERS
 INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 468946 TO 487454
 PROJECTED ANSWERS: 0 TO 0

L12 0 SEA SSS SAM L11

=> search l11 sss full

FULL SEARCH INITIATED 09:00:17 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 475251 TO ITERATE

100.0% PROCESSED 475251 ITERATIONS 2 ANSWERS
 SEARCH TIME: 00.00.04

L13 2 SEA SSS FUL L11

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	178.82	592.58
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-8.00

SESSION WILL BE HELD FOR 120 MINUTES
 STN INTERNATIONAL SESSION SUSPENDED AT 09:00:35 ON 12 MAR 2008

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 09:01:47 ON 12 MAR 2008
FILE 'REGISTRY' ENTERED AT 09:01:47 ON 12 MAR 2008
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	178.82	592.58
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-8.00

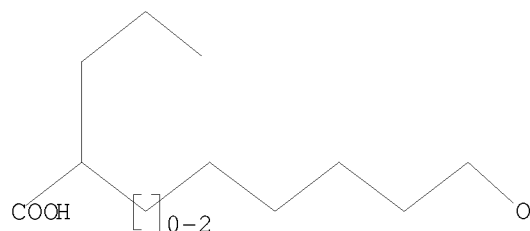
=>

Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary files\10564720\10564720 pt 2 obvious clm 7.str

L14 STRUCTURE UPLOADED

=> d l14

L14 HAS NO ANSWERS
L14 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l14 sss sam

SAMPLE SEARCH INITIATED 09:02:39 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 23910 TO ITERATE

8.4% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 468946 TO 487454
PROJECTED ANSWERS: 0 TO 0

L15 0 SEA SSS SAM L14

=> search l14 sss full

FULL SEARCH INITIATED 09:02:49 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 475251 TO ITERATE

100.0% PROCESSED 475251 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.04

L16 0 SEA SSS FUL L14

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	358.10	771.86
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-8.00

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 09:03:19 ON 12 MAR 2008

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 10:28:54 ON 12 MAR 2008
FILE 'REGISTRY' ENTERED AT 10:28:54 ON 12 MAR 2008
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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	358.10	771.86
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-8.00

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	358.56	772.32
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-8.00

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 10:29:19 ON 12 MAR 2008

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *

SESSION RESUMED IN FILE 'REGISTRY' AT 11:00:20 ON 12 MAR 2008
FILE 'REGISTRY' ENTERED AT 11:00:20 ON 12 MAR 2008
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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	358.56	772.32
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-8.00

=>

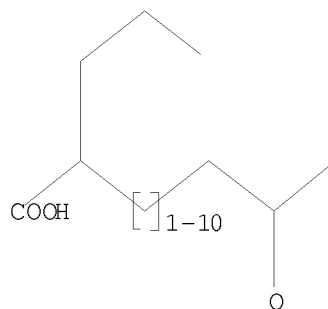
Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary
files\10564720\10564720 clm 6.str

L17 STRUCTURE UPLOADED

=> d l17

L17 HAS NO ANSWERS

L17 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l17 sss sam

SAMPLE SEARCH INITIATED 11:00:55 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 24300 TO ITERATE

8.2% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 476671 TO 495329
PROJECTED ANSWERS: 0 TO 0

L18 0 SEA SSS SAM L17

=> search l17 sss full

FULL SEARCH INITIATED 11:01:08 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 482924 TO ITERATE

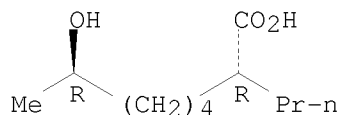
100.0% PROCESSED 482924 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.04

L19 2 SEA SSS FUL L17

=> d scan

L19 2 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Octanoic acid, 7-hydroxy-2-propyl-, (2R,7R)-
MF C11 H22 O3

Absolute stereochemistry.

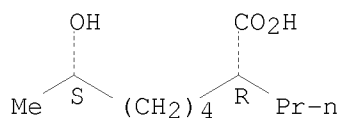


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

L19 2 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Octanoic acid, 7-hydroxy-2-propyl-, (2R,7S)-
MF C11 H22 O3

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

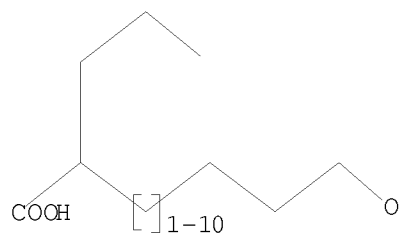
=>

Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary
files\10564720\10564720 Prt bclm 6.str

L20 STRUCTURE UPLOADED

=> d 120

L20 HAS NO ANSWERS
L20 STR



Structure attributes must be viewed using STN Express query preparation.

=>

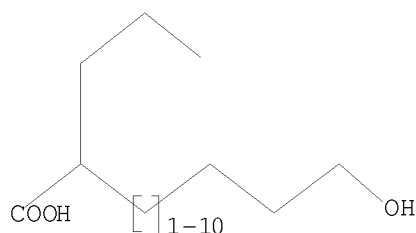
Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary files\10564720\10564720 pt 2 clm 6.str

L21 STRUCTURE UPLOADED

=> d l21

L21 HAS NO ANSWERS

L21 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l21 sss sam

SAMPLE SEARCH INITIATED 11:06:28 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 24300 TO ITERATE

8.2% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 476671 TO 495329
PROJECTED ANSWERS: 0 TO 0

L22 0 SEA SSS SAM L21

=> search l21 sss

ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:full

FULL SEARCH INITIATED 11:06:39 FILE 'REGISTRY'

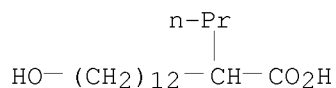
FULL SCREEN SEARCH COMPLETED - 482924 TO ITERATE

100.0% PROCESSED 482924 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.04

L23 2 SEA SSS FUL L21

=> d scan

L23 2 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Tetradecanoic acid, 14-hydroxy-2-propyl-
MF C17 H34 O3

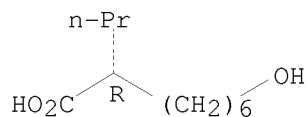


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

L23 2 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN Octanoic acid, 8-hydroxy-2-propyl-, (2R)-
 MF C11 H22 O3

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> file caplus
 COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
719.88	1133.64

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-8.00

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FILE COVERS 1907 - 12 Mar 2008 VOL 148 ISS 11

FILE LAST UPDATED: 11 Mar 2008 (20080311/ED)

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<http://www.cas.org/infopolicy.html>

=> l23

L24 3 L23

=> d l24 ti fbib abs\

'ABS\' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

The following are valid formats:

ABS ----- GI and AB
ALL ----- BIB, AB, IND, RE
APPS ----- AI, PRAI
BIB ----- AN, plus Bibliographic Data and PI table (default)
CAN ----- List of CA abstract numbers without answer numbers
CBIB ----- AN, plus Compressed Bibliographic Data
CLASS ----- IPC, NCL, ECLA, FTERM
DALL ----- ALL, delimited (end of each field identified)
DMAX ----- MAX, delimited for post-processing
FAM ----- AN, PI and PRAI in table, plus Patent Family data
FBIB ----- AN, BIB, plus Patent FAM
IND ----- Indexing data
IPC ----- International Patent Classifications
MAX ----- ALL, plus Patent FAM, RE
PATS ----- PI, SO
SAM ----- CC, SX, TI, ST, IT
SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;
 SCAN must be entered on the same line as the DISPLAY,
 e.g., D SCAN or DISPLAY SCAN)
STD ----- BIB, CLASS

IABS ----- ABS, indented with text labels
IALL ----- ALL, indented with text labels
IBIB ----- BIB, indented with text labels
IMAX ----- MAX, indented with text labels
ISTD ----- STD, indented with text labels

OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations

HIT ----- Fields containing hit terms
HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)
 containing hit terms
HITRN ----- HIT RN and its text modification
HITSTR ----- HIT RN, its text modification, its CA index name, and
 its structure diagram
HITSEQ ----- HIT RN, its text modification, its CA index name, its
 structure diagram, plus NTE and SEQ fields
FHITSTR ----- First HIT RN, its text modification, its CA index name, and
 its structure diagram
FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
 structure diagram, plus NTE and SEQ fields
KWIC ----- Hit term plus 20 words on either side

OCC ----- Number of occurrence of hit term and field in which it occurs

To display a particular field or fields, enter the display field codes. For a list of the display field codes, enter HELP DFIELDS at an arrow prompt (=>). Examples of formats include: TI; TI,AU; BIB,ST; TI,IND; TI,SO. You may specify the format fields in any order and the information will be displayed in the same order as the format specification.

All of the formats (except for SAM, SCAN, HIT, HITIND, HITRN, HITSTR, FHITSTR, HITSEQ, FHITSEQ, KWIC, and OCC) may be used with DISPLAY ACC to view a specified Accession Number.
ENTER DISPLAY FORMAT (BIB):end

=> d 124 ti fbib abs

L24 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN
TI Nerve regeneration promoters containing fatty acid compounds
AN 2005:316345 CAPLUS <<LOGINID::20080312>>
DN 142:379379
TI Nerve regeneration promoters containing fatty acid compounds
IN Tateishi, Narito; Yamamoto, Junki; Kawaharada, Soichi; Akiyama, Tsutomu; Hoshikawa, Masamitsu
PA Ono Pharmaceutical Co., Ltd., Japan
SO PCT Int. Appl., 61 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005032535	A1	20050414	WO 2004-JP14879	20041001
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, VZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
				JP 2003-345123	A 20031003
				JP 2004-162909	A 20040601
EP	1685832	A1	20060802	EP 2004-792173	20041001
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
				JP 2003-345123	A 20031003
				JP 2004-162909	A 20040601
				WO 2004-JP14879	W 20041001
US	2007043114	A1	20070222	US 2006-574479	20061005
				JP 2003-345123	A 20031003
				JP 2004-162909	A 20040601
				WO 2004-JP14879	W 20041001

OS MARPAT 142:379379

AB Disclosed are nerve regeneration promoters containing fatty acid compds. especially compds. R2C(R3)(R4)COR1 [R1 hydroxy; R2, R3 = H, C1, C3-10 alkyl, C3-10 alkenyl, etc.; R4 = (oxidized) C2-3 alkyl], salts thereof or prodrugs of the same. The compds. inhibit nerve cell death and promote the formation

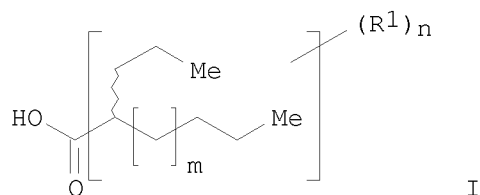
of new nerve cells and nerve cell regeneration and also promote the repair and regeneration of nerve tissues and functions through neurite extension, because of serving as a stem cell (nerve stem cell, embryonic stem cell, bone marrow cell, etc.) proliferation/differentiation promoter, a nerve cell precursor proliferation/differentiation promoter, a neurotrophic factor activity enhancer, a neurotrophic factor-like substance or a neurodegeneration inhibitor. Furthermore, these compds. are useful in preparing cells for transplantation (nerve stem cells, nerve cell precursors, nerve cells, etc.) from a brain tissue, bone marrow, embryonic stem cells, etc. At the same time, these compds. promote the take, proliferation, differentiation and function expression of transplanted cells, which makes them useful as preventives and/or remedies for neurodegenerative diseases. The effect of (2R)-2-propyloctanoic acid on nerve stem cell differentiation in rats was examined

RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 124 2-3 ti fbib abs

L24 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN
TI Preparation of branched carboxylic acid compound and use thereof
AN 2005:55187 CAPLUS <<LOGINID::20080312>>
DN 142:134202
TI Preparation of branched carboxylic acid compound and use thereof
IN Imawaka, Haruo; Hasegawa, Tomoyuki; Sakuyama, Shigeru; Kawanaka, Yasufumi;
Akiyama, Tsutomu; Hoshikawa, Masamitsu; Matsuda, Saiko
PA Ono Pharmaceutical Co., Ltd., Japan
SO PCT Int. Appl., 75 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005005366	A1	20050120	WO 2004-JP10366	20040714
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, GU, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
				JP 2003-274988	A 20030715
EP	1650182	A1	20060426	EP 2004-747782	20040714
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
				JP 2003-274988	A 20030715
				WO 2004-JP10366	W 20040714
US	2007167522	A1	20070719	US 2006-564720	20060117
				JP 2003-274988	A 20030715
				WO 2004-JP10366	W 20040714
OS	MARPAT 142:134202				
GI					



AB A branched alkanoyl acid represented by the general formula (I) (wherein R1 = optionally protected hydroxy or oxo; a wavy line indicates α configuration, β configuration, or a mixture of these in an arbitrary proportion; n = an integer of 1 to 3; m = an integer of 0 to 10, provided that two or more R1's are not bonded to the same carbon atom other than the terminal carbon atoms), a salt of the compound, or a prodrug of either is prepared. The compound I is effective in, e.g., improving the function of astrocytes. It is useful as a preventive and/or therapeutic agent for brain infarction or nerve function disorders after brain infarction and for neurodegenerative diseases such as Parkinson's disease, Parkinson's syndrome, amyotrophic lateral sclerosis, and Alzheimer's disease. Thus, a solution of 31 g (4S)-N-[(2R)-7-oxo-2-propyloctanoyl]-4-isopropylloxazolidin-2-one in 310 mL THF and 31 mL H₂O was treated with 45.3 mL 30 weight% H₂O₂ at 6° and then dropwise with 100 mL 2 M aqueous LiOH at 5°, stirred at 24° for 3 h, treated dropwise with 300 mL 2 M NaNO₂, stirred at 26° for 1 h to give, after workup and silica gel chromatog., (2R)-7-oxo-2-propyloctanoic acid (II). II at 30 μ mol/L in vitro significantly reduced cellular S100 β protein in astrocytes from 2,177.0 \pm 147.74 to 1,489.0 \pm 37.84 (ng/mg). Pharmaceutical formulations, e.g. tablet containing II, were prepared

RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN
TI Syntheses of deuterium-labeled methyl-branched fatty acids
AN 1992:83179 CAPLUS <<LOGINID::20080312>>
DN 116:83179
TI Syntheses of deuterium-labeled methyl-branched fatty acids
AU Dobner, B.; Nuhn, P.
CS Dep. Pharm., Univ. Halle, Halle, O-4020, Germany
SO Chemistry and Physics of Lipids (1991), 60(1), 21-8
CODEN: CPLIA4; ISSN: 0009-3084
DT Journal
LA English
OS CASREACT 116:83179
AB The syntheses of some trideuterated methyl-branched fatty acids, suitable for NMR studies in membranes, are accomplished by successive redns. of an ester carbonyl group. Two methods were found to prepare 2-allyl- ω -hydroxy carboxylic acids, which are suitable intermediates for the synthesis of the title compds.

=> d 124 3 ti it fbib abs

L24 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN
TI Syntheses of deuterium-labeled methyl-branched fatty acids
IT Fatty acids, preparation
RL: SPN (Synthetic preparation); PREP (Preparation)
(trideuteriomethylated, preparation of, by successive reduction-deuteration)
IT 138706-33-9 138706-34-0 138706-35-1

RL: RCT (Reactant); RACT (Reactant or reagent)
 (alkylation by, of alkanolic acids)
 IT 18424-77-6 18995-13-6
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (alkylation of)
 IT 107-92-6, Butanoic acid, reactions 109-52-4, Pentanoic acid, reactions
 334-48-5, Decanoic acid
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (bromoalkylation and hydrolysis of)
 IT 138706-30-6P 138706-31-7P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation and reaction with di-Et malonates)
 IT 138706-38-4P 138706-39-5P 138706-40-8P 138706-41-9P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation and sequential deuteration-reduction and mesylation of)
 IT 138706-42-0P 138706-43-1P 138706-44-2P 138706-45-3P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation and sequential reduction-deuteration and oxidation of)
 IT 138706-46-4P 138706-47-5P 138706-48-6P 138729-72-3P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 IT 21964-30-7P 138706-32-8P 138706-36-2P 138706-37-3P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation, esterification and reaction with dihydropyran)
 IT 116452-12-1 116754-57-5
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (reaction of, with di-Et alkylmalonates)
 IT 7147-29-7 50515-98-5
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (sequential reaction with dihydropyran, reduction and mesylation of)
 AN 1992:83179 CAPLUS <<LOGINID::20080312>>
 DN 116:83179
 TI Syntheses of deuterium-labeled methyl-branched fatty acids
 AU Dobner, B.; Nuhn, P.
 CS Dep. Pharm., Univ. Halle, Halle, O-4020, Germany
 SO Chemistry and Physics of Lipids (1991), 60(1), 21-8
 CODEN: CPLIA4; ISSN: 0009-3084
 DT Journal
 LA English
 OS CASREACT 116:83179
 AB The syntheses of some trideuterated methyl-branched fatty acids, suitable
 for NMR studies in membranes, are accomplished by successive redns. of an
 ester carbonyl group. Two methods were found to prepare
 2-allyl- ω -hydroxy carboxylic acids, which are suitable intermediates
 for the synthesis of the title compds.

=> 138706-37-3

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...

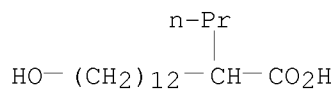
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.


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=> dissplay hitsrtr 126 1
MISSING OPERATOR HITSRTR L26
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.
```

```
=> dissplay hitstr 126 1
MISSING OPERATOR HITSTR L26
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.
```

```
=> display hitstr 126 1
```

```
L26  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2008 ACS on STN
IT   138706-37-3P
      RL: SPN (Synthetic preparation); PREP (Preparation)
      (preparation, esterification and reaction with dihydropyran)
RN   138706-37-3  CAPLUS
CN   Tetradecanoic acid, 14-hydroxy-2-propyl-  (CA INDEX NAME)
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=> logoff hold
COST IN U.S. DOLLARS                SINCE FILE      TOTAL
                                     ENTRY      SESSION
FULL ESTIMATED COST                6.10      1156.52

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  SINCE FILE      TOTAL
                                               ENTRY      SESSION
CA SUBSCRIBER PRICE                0.00      -11.20
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SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 11:14:25 ON 12 MAR 2008
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